Amendments to the Specification

Please add the following new heading before paragraph [0002]:

BACKGROUND

Please add the following new heading before paragraph [0009]:

SUMMARY OF THE INVENTION

Please replace paragraph [0009] with the following amended paragraph:

[0009] ~~The~~ An object of the present invention is ~~based on the object of providing~~ to provide a membrane module which can be produced with minimum possible outlay and without the use of seals and without any risk of the gas streams leaking.

Please replace paragraph [0010] with the following amended paragraph:

[0010] The present invention provides ~~In~~ a membrane module ~~of the generic type, this object is achieved, according to the invention, by virtue of the fact that the~~ in which two membrane frames of each membrane cell have raised edges which are directed toward one another and by means of which they are in contact with one another with the exception of at least one opening toward one side face of the stack. The ~~, that the~~ feed frame is designed in such a way that, with the exception of openings toward side faces of the stack, it bears closely against the edges of the membrane frames of two adjacent membrane cells, and that the outer sides of all the membrane frames and feed frames are welded or soldered to one another in a gastight manner, but leaving clear the openings.

Please delete paragraph [0011].

Please add the following new paragraph before paragraph [0012]:

[0011.1] The present invention also provides a method a method for producing a membrane module for separating off hydrogen from a reformate gas, the membrane module including a plurality of planar membrane cells stacked on top of one another and connected to one another, each membrane cell including two hydrogen-selective, planar membranes that are each surrounded by a

flat membrane frame, an air-permeable spacer layer disposed between the membranes and configured to discharge a permeate gas, and a feed frame that surrounds a feed space for the reformate gas adjacent one of the two membranes, the membrane frames and feed frame having identical external dimensions and being assembled to form a stack with planar side faces. The method includes providing each the two membrane frames of each membrane cell with raised edges directed toward one another and in contact with one another, providing each the two membrane frames with at least one first opening toward a side face of the stack, fitting the feed frame tightly onto the edges of the membrane frames two adjacent membrane cells except for second and third openings in the feed frame toward side faces of the stack, and soldering or welding the outer sides of all the membrane frames and feed frames in a gastight manner except for the first, second, and third openings.

Please add the following new heading before paragraph [0018]:
BRIEF DESCRIPTION OF THE DRAWINGS

Please replace paragraph [0018] with the following amended paragraph:
[0018] Further features and advantages of the invention will emerge from the ~~subclaims~~ claims and from the following description of an exemplary embodiment with reference to the drawing, in which:

Please add the following new heading before paragraph [0024]:
DETAILED DESCRIPTION